

Claims

[c1] What is claimed is:

1. A charging system for charging a plurality of portable devices, each of the portable devices comprising a corresponding charging port for inputting a working voltage of the portable device, each of the portable devices having different working voltages, the charging system comprising:

a plurality of transformers for transforming a plurality of different input voltages into a standard DC (direct current) power voltage, each of the transformers having an output port for outputting the standard DC power voltage;

a power cord comprising a first connection end connected to the output port of the transformer for inputting the standard DC power voltage, and a second connection end for outputting the standard DC power voltage; and

a plurality of converters for converting the standard DC power voltage to the working voltage of the plurality of portable devices, each of the converters comprising an input port removably connected to the second connection end of the power cord for receiving the standard DC power voltage, and an output port removably connected to the charging port of a portable device for outputting the working voltage of the portable device;

wherein when charging the plurality of portable devices, users are capable of connecting the corresponding converters to the power cord, and then connecting the power cord to any one of the transformers so as to use the standard DC power voltage to charge the plurality of the portable devices.

[c2] 2. The charging system of claim 1 wherein the transformer comprises a hard housing, and the output port of the transformer is installed on the hard housing.

[c3] 3. The charging system of claim 1 wherein the portable device is a mobile phone.

[c4] 4. The charging system of claim 1 wherein the portable device is a personal digital assistant (PDA).

[c5] 5. The charging system of claim 1 wherein the transformer is capable of

transforming an AC (alternating current) power into the standard DC power voltage.

- [c6] 6.The charging system of claim 1 wherein the transformer is capable of transforming a DC battery power into the standard DC power voltage.
- [c7] 7.The charging system of claim 1 wherein the transformer is capable of transforming a DC power of an automobile into the standard DC power voltage.
- [c8] 8.The charging system of claim 1 wherein the transformer is capable of transforming a DC power of an airplane into the standard DC power voltage.
- [c9] 9.A charging system for charging a portable device, the portable device comprising a charging port for inputting a standard DC (direct current) power voltage, the charging system comprising:
 - a plurality of transformers for transforming a plurality of different input voltages into the standard DC power voltage, each of the transformers having an output port for outputting the standard DC power voltage; and
 - a power cord comprising a first connection end removably connected to the output port of the transformer for inputting the standard DC power voltage, and a second connection end for outputting the standard DC power voltage;
 - wherein when charging the portable device, users are capable of connecting the charging port of the portable device to the second connection end of the power cord, and connecting the first connection end of the power cord to the output port of any one of the transformers so as to use the standard DC power voltage to charge the portable device.
- [c10] 10.The charging system of claim 9 wherein the transformer comprises a hard housing, and the output port of the transformer is installed on the hard housing.
- [c11] 11.The charging system of claim 9 wherein the portable device is a mobile phone.
- [c12] 12.The charging system of claim 9 wherein the portable device is a personal digital assistant (PDA).

- [c13] 13.The charging system of claim 9 wherein the transformer is capable of transforming an AC (alternating current) power into the standard DC power voltage.
- [c14] 14.The charging system of claim 9 wherein the transformer is capable of transforming a DC battery power into the standard DC power voltage.
- [c15] 15.The charging system of claim 9 wherein the transformer is capable of transforming a DC power of an automobile into the standard DC power voltage.
- [c16] 16.The charging system of claim 9 wherein the transformer is capable of transforming a DC power of an airplane into the standard DC power voltage.
- [c17] 17.The charging system of claim 9 wherein the second connection end of the power cord is a connection end consistent with the USB (Universal Serial Bus) standard, and the charging port of the portable device is a charging port consistent with the USB standard.